

2 of 10 Pages

Facility Name: **Johns Manville Dutch Road Plant**

Application Number: **04-1124**

Date: **August 26, 1998**

**GENERAL PERMIT CONDITIONS**

**TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

**CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations.

3 of 10 Pages

Facility Name: **Johns Manville Dutch Road Plant**

Application Number: **04-1124**

Date: **August 26, 1998**

Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

#### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

#### **PUBLIC DISCLOSURE**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

#### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

#### **BEST AVAILABLE TECHNOLOGY**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

#### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

4 of 10 Pages

Facility Name: **Johns Manville Dutch Road Plant**

Application Number: **04-1124**

Date: **August 26, 1998**

**SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

Facility Name: **Johns Manville Dutch Road Plant**Application Number: **04-1124**Date: **August 26, 1998**AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Johns Manville Dutch Road Plant** located in **Lucas** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P241	Briquettor/ Waste minimizations system	Fabric Filter	3745-31-05	0.7 lb/hr PM 3.1 tons per year PM
			3745-17-07 (A)	no greater than 20% opacity as a six minute average
			3745-17-11*	see note

\* BAT provides a more stringent emissions limitation than this OAC rule.

## SUMMARY

## TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	3.1

CONSTRUCTION STATUS

The **Toledo Environmental Services Division** shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: **P241**.

Facility Name: **Johns Manville Dutch Road Plant**

Application Number: **04-1124**

Date: **August 26, 1998**

**PERFORMANCE TEST REQUIREMENTS**

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report describing the test procedures followed and the results of such tests shall be submitted and signed by the person responsible for the test. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

- A. A completed Intent to Test form shall be submitted to the Toledo Environmental Services Division where the original permit application was filed. This notice shall be made 30 days in advance and shall specify the source operating parameters, the proposed test procedures, and the time, date, place and person(s) conducting such tests.
- B. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.
- C. Tests shall be performed for the following source(s) and pollutants(s):

**Source**

**Pollutant(s)**

**P241**

**PM**

**RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 34602.**

7 of 10 Pages

Facility Name: **Johns Manville Dutch Road Plant**

Application Number: **04-1124**

Date: **August 26, 1998**

#### **WASTE DISPOSAL**

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

#### **MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

#### **MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 34602.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

#### **AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

#### **NINETY DAY OPERATING PERIOD**

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

8 of 10 Pages

Facility Name: **Johns Manville Dutch Road Plant**

Application Number: **04-1124**

Date: **August 26, 1998**

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

**A. Operational Restrictions**

1. This unit shall employ a baghouse to collect particulate emissions at all times during operation.
2. To ensure the baghouse is operated according to the manufacturer's specifications and to maintain compliance with the allowable particulate emission rate, a pressure drop across the baghouse of not less than (TO BE DETERMINED AT initial STACK TEST) or greater than (TO BE DETERMINED AT INITIAL STACK TEST) shall be maintained at all times.

**B. Monitoring/Record Keeping Requirements**

1. Baghouse monitoring and record keeping requirements
  - a. the permittee shall properly operate and maintain a monitoring device capable of accurately measuring the pressure drop across the fabric filter; and,
  - b. the permittee shall check the pressure drop once a day and maintain daily records of the pressure drop readings.

**C. Reporting Requirements**

1. Baghouse
  - a. The permittee shall submit deviation (excursion) reports which identify all exceedances of the above-mentioned allowable pressure drop range.

**D. Compliance Demonstration**

1. Emission testing requirements

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

9 of 10 Pages

Facility Name: **Johns Manville Dutch Road Plant**

Application Number: **04-1124**

Date: **August 26, 1998**

- a. the emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for PM;
- b. the following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for PM, Method 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA; and,
- c. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Environmental Services Division.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Environmental Services Division. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Environmental Services Division refusal to accept the results of the emission test(s).

Personnel from the Toledo Environmental Services Division shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Environmental Services Division within 30 days following completion of the test(s).

10 of 10 Pages

Facility Name: **Johns Manville Dutch Road Plant**

Application Number: **04-1124**

Date: **August 26, 1998**

The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Environmental Services Division.

2. Compliance with the emissions limitations in this permit shall be determined in accordance with the following methods:

- a. Emissions Limitation:  
No greater than 20% opacity except as a six minute average.

Applicable Compliance Method:  
OAC 3745-17-03(B)(3)

- b. Emissions Limitation:  
0.7 pounds PM per hour

Applicable Compliance Method:  
OAC 3745-17-03(B)(7)

- c. Emissions Limitation:  
3.1 tons PM per year

Applicable Compliance Method:  
Multiply the PM emission factor obtained from the most recent stack test, in lbs/hr PM, times 8,760 hours of operation divided by 2000 pounds per ton.

**E. Miscellaneous Requirements**

None.